

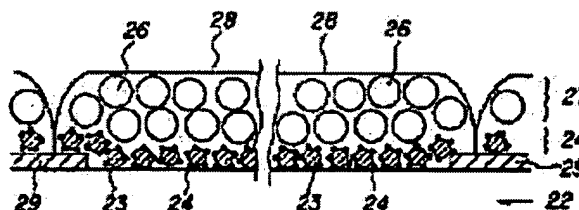
COLOR CATHODE-RAY TUBE PHOSPHOR SCREEN AND FORMATION THEREOF

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- **international:** H01J29/28; H01J9/227
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Abstract of JP6076754

PURPOSE: To provide a color cathode-ray tube phosphor screen and a manufacturing method thereof, by which a phosphor film of excellent brightness and of high contrast can be provided at low cost.

CONSTITUTION: In a color cathode-ray tube phosphor screen in which a phosphor screen containing at least phosphor and pigment is formed on a face plate 22, the phosphor screen comprises a high reflection grain layer 24 formed in the side of the face plate 22 and a phosphor grain layer 27 formed in the side of an electron gun. The density of high reflection grains 23 is higher than that of phosphor grains 26, and the average grain size of the high reflection grains is smaller than that of the phosphor grains 26. At the time of manufacturing the phosphor screen, a slurry, for which a small amount of the high reflection grains 23 are mixed in the phosphor grains 26, is rotated and applied to the inner surface of the panel of a color cathode-ray tube, and the high reflection grain layer 24 is separated from the phosphor grain layer 27 by the difference in the density between the high reflection grains 23 and the phosphor grains 26 at the time of drying the slurry.



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